FX-764
Splash Zone and Underwater Paste

DESCRIPTION
FX-764 Splash Zone and Underwater Paste is a two-component, high-solids, moisture-tolerant, non-sag, trowel-grade epoxy designed for use in underwater applications. FX-764 is ideal for underwater crack sealing, securing injection ports, and general repair of concrete, steel, and wood.

WHERE TO USE
• Underwater repair of concrete, wood and steel
• Non-structural underwater repair of marine structures

FEATURES
• May be applied underwater
• Hand mixed
• Bonds well to wet surfaces
• “Putty-like” consistency

PRODUCT DATA
All testing performed at 73°F (23°C) and 50% R.H. (+/- 2°F (1.1°C)), unless noted otherwise.

Generic Description
Underwater epoxy paste

Packaging
<table>
<thead>
<tr>
<th>Kit Size</th>
<th>Model No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>½ US gallon (1.9 L)</td>
<td>FX764KT2QT</td>
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<tr>
<td>2 US gallon (7.6 L)</td>
<td>FX764KT2</td>
</tr>
<tr>
<td>4 US gallon (15.1 L)</td>
<td>FX764KT4</td>
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<tr>
<td>10 US gallon (37.9 L)</td>
<td>FX764KT10</td>
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Color
Gray

Mixing Ratio
1A:1B

Product Yield
231 in.³/US gal. (0.001 m³/L)

Pot Life
2 hours at 70°F (22°C)

Storage
Store dry between 40–95°F (4–35°C)

Shelf Life
2 years in unopened packaging

VOC
6 g/L (mixed)

TECHNICAL INFORMATION
The data herein is based on laboratory testing under controlled conditions. Variations may result from mixing methods and jobsite conditions. All testing performed at 73°F (23°C) and 50% R.H. (+/- 2°F (1.1°C)), unless noted otherwise.

Consistency
ASTM C881
non-sag

Gel Time
ASTM C881
4 hours 30 minutes

Bond Strength, Wet to Hardened
ASTM C882, moist cured at 60°F (16°C), 14 days
1,400 psi 9.65 MPa

Absorption
ASTM D570, 1 day
9.65 MPa

Heat Deflection Temperature
ASTM D648
117°F

Compressive Strength
ASTM D695, moist cured at 60°F (16°C)
24 hours 765 psi 5.27 MPa
36 hours 2,030 psi 14.00 MPa
48 hours 2,460 psi 16.96 MPa
72 hours 3,310 psi 22.82 MPa
7 days 3,540 psi 24.41 MPa

Compressive Modulus
ASTM D695, 7 days, moist cured at 60°F (16°C)
515,970 psi 3,558 MPa

Tensile Strength
ASTM D638, Type II mold, 7 days, cured at 60°F (16°C)
3,450 psi 23.79 MPa

Elongation at Break
ASTM D638, Type II mold, 7 days, cured at 60°F (16°C)
1.63%

Compressive Strength
ASTM C579, method B
24 hours 4,000 psi 27.58 MPa
72 hours 6,400 psi 44.13 MPa
7 days 7,500 psi 51.71 MPa
**SURFACE PREPARATION**

All surfaces must be sound, clean and free of all contaminants that could impair product adhesion or performance.

- **Metal Surfaces:** Prepare surface by abrasive blasting or other means per SSPC-SP6/NACE 3 Commercial Blast Cleaning with a 2–3 mil surface profile.
- **Concrete:** Concrete should be a minimum of 28 days old and fully cured prior to coating application. Prepare surface by abrasive blasting or other mechanical means per SSPC-SP13/NACE, ICRI Guideline 310.2R CSP3-5.
- **Wood:** Surface must be at least 50°F (10°C) prior to application. All surfaces must be sound, free of marine growth, oil, and other contaminants. Prepare surface by high-pressure water-jetting or other mechanical means.
- **Previously Coated Surfaces:** Remove all surface contaminants and mechanically abrade substrate to achieve a clean and sound surface per SSPC-SP3 Power Tool Cleaning. Remove any remaining dust or surface contaminants by solvent wiping with clean cotton cloths. Allow all solvents to completely dry prior to application.

**MIXING**

For optimal product performance, condition individual components to 70°F (21°C) prior to use. Proportion Component “A” and Component “B” at a 1A:1B ratio by volume. Mix thoroughly by hand (wearing chemical resistant gloves dampened with water to prevent sticking) until uniform consistency is achieved. Do not prepare more material than can be used within the pot life of the product.

**APPLICATION**

For best results, apply FX-764 by hand, wearing tight-fitting rubber or plastic chemical-resistant gloves. Gloves should be wet with water to prevent adhesion to gloves. Press FX-764 onto surface and knead into place to a maximum lift thickness of 2 in. (50 mm). Smooth gently by hand, using water as a lubricant.

**LIMITATIONS**

- Do not apply to surfaces below 40°F (4°C) or above 95°F (35°C)
- Minimum lift thickness of ¼ in. (3 mm)
- Maximum lift thickness of 2 in. (50 mm)
- Underwater product placement should only be attempted by certified and experienced diving contractors

Please note: This product has not been evaluated for resisting long-term sustained loads in anchor applications. Refer to the current Anchoring and Fastening Systems for Concrete and Masonry catalog or strongtie.com for code-listed structural anchoring adhesives.
IMPORTANT INFORMATION

It is the responsibility of each purchaser and user of each product to determine the suitability of the product for its intended use. Prior to using any product, consult a qualified design professional for advice regarding the suitability and use of the product, including whether the capacity of any structural building element may be impacted by a repair. As jobsite conditions vary greatly, a small-scale test patch is required to verify product suitability prior to full-scale application. The installer must read, understand and follow all written instructions and warnings contained on the Limited Warranty, product label(s), Product Data Sheet(s), Safety Data Sheet(s) and the strongtie.com website prior to use. For industrial use only by qualified applicators. KEEP OUT OF REACH OF CHILDREN!

WARNING! Cancer and reproductive harm — www.P65Warnings.ca.gov.